LED SOLAR I
Product Presentation

16.09.2007

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OSRAM

Agenda

Product Description LED SOLAR I

Unique Selling Proposition

Use Cases – Off Grid

User Benefits

- Use the **super bright illumination** provided by the OSRAM GOLDEN DRAGON® LED
- Use the **long illumination time** thanks to the power saving LED technology and dim function of the brightness level
- **Charge** your **mobile phone** in remote areas without fixed power supply
- Be **independent** of fixed power supply with the Solar Panel and rechargeable batteries controlled by reliable electronic

Product Description LED SOLAR I

Technical Features

Solar Panel

- poly Si standard blue, η ≅ 14%
  - P_{mpp} = 0,95 W_p
  - U_{mpp} = 3,9 V
  - I_{mpp} = 242 mA
- Size: 90 x 120 mm
- DC plug 3,5/1,35mm
- Charging time up to 16h

Energy

- Rechargeable SANYO batteries
  - 4 x 1,2 V AA NiMH 1700 mAh
  - Battery life up to 30h (dimmed setting)
- 230 V Network adapter
  - DC 3,3 V / 350 mA
  - Charging time ~10h

Light

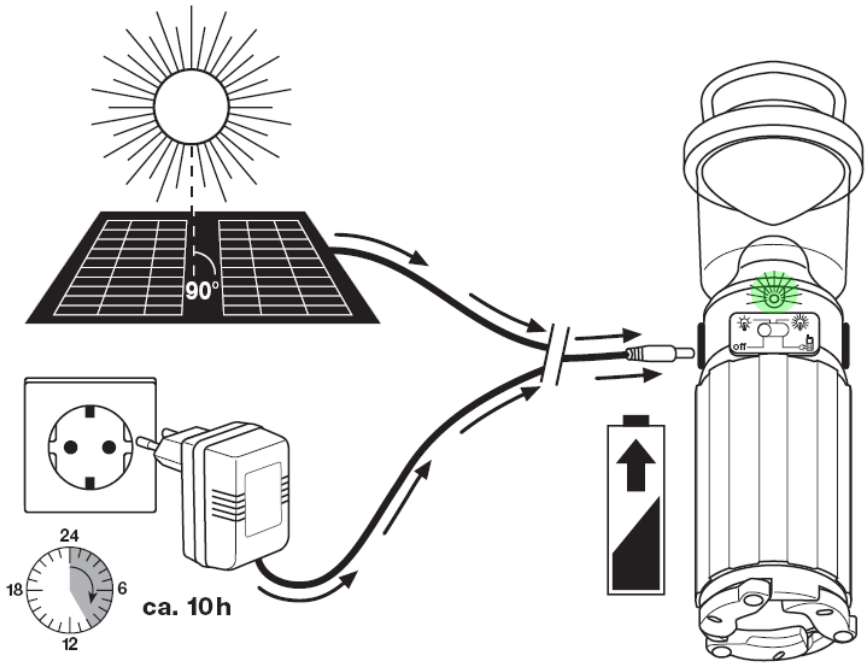
- OSRAM GOLDEN DRAGON® LED
- 1 Watt
- 2 brightness levels: 100% and 25%
- Reflector for better illumination
- Emergency light while Phone Charging operation is active
- Extendable foot and lantern hanger

External Output

- 1,2 Watt
- Charging of mobile phones
- Connection cable with Nokia plug
- 2 adapters for Motorola and Sony Ericsson phones

Use Cases LED SOLAR I

Charging the lantern (4 x 1700 mAh batteries)



Option 1: Using the Solar Panel

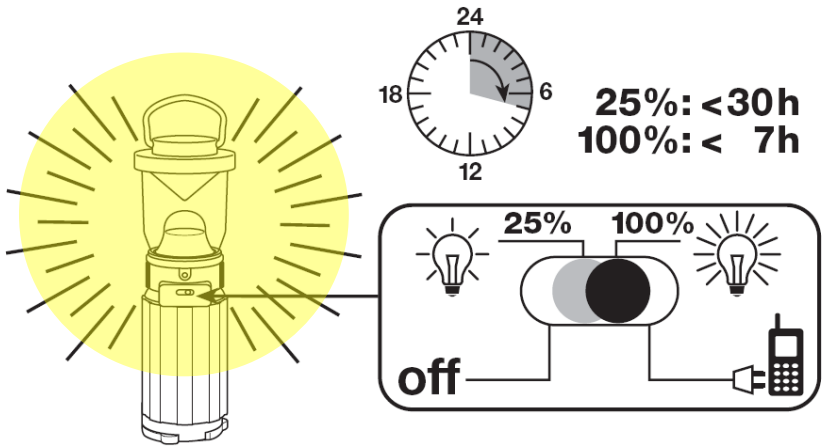
- Panel is connected to left input plug of the lantern
- Panel has to be adjusted 90° to the sunrays
- **Charging time** under good conditions **up to 16h** (batteries fully recharged)
- The green charging LED indicates active charging current

Option 2: Using the network adapter

- Adapter is connected to left input plug of the lantern
- Adaptor is plugged into 230V power socket
- **Charging time** approx. **10h**
- The green charging LED indicates active charging current

Use Cases LED SOLAR I

Operating the lantern (1 W OSRAM GOLDEN DRAGON® LED)



Option 1: DRAGON LED operates 100%

- Switch is set to position 100%
- LED **illumination** power is **maximal**
- Illumination **up to 7h** (batteries fully recharged before)

Option 2: DRAGON LED operates 25%

- Switch is set to position 25%
- LED **illumination** power is **reduced**
- Illumination **up to 30h** (batteries fully recharged before)

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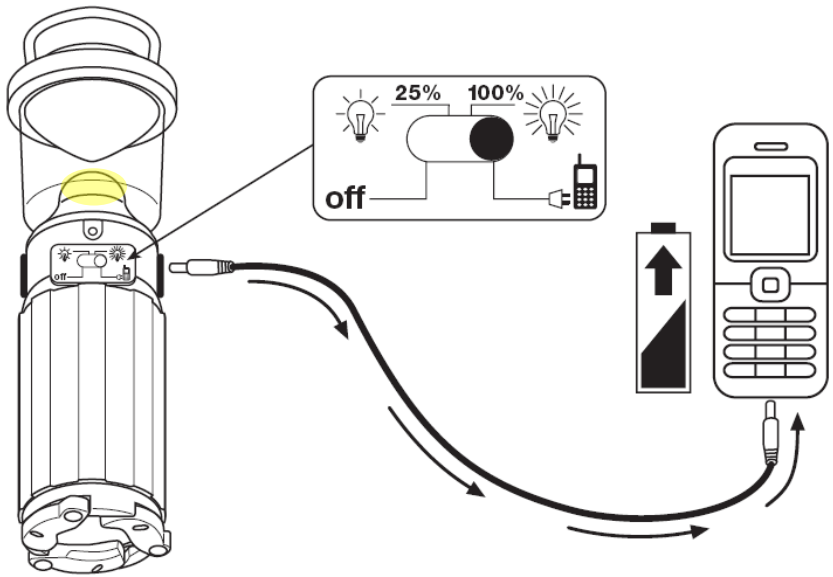
Charging of external devices (mobile phones)

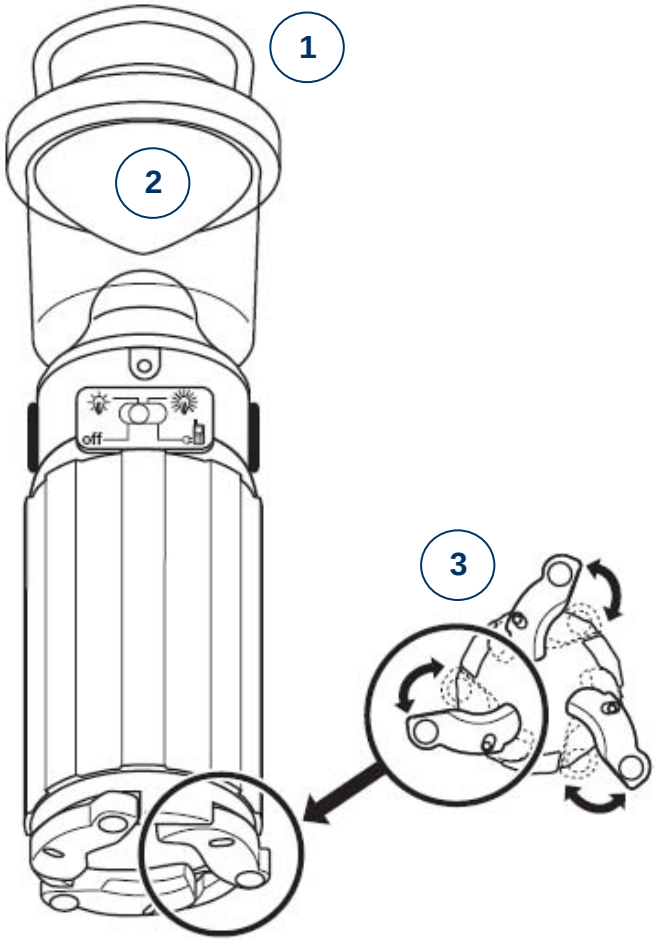


Phone Charging

- Switch is set to position “Phone Charging”
- LED is operating in emergency mode: **illumination** power is **minimal**
- Mobile Phone is connected to right output plug of the lantern
- **Three phone types** are **supported** (exchangeable adopters):
  - Nokia
  - Motorola
  - SonyEricsson
- **Output power** of lantern: **1,2 W**

Use Cases LED SOLAR I

Additional Details of Usage



Benefits

1. The **Hanger** provides the opportunity to position the lantern wherever you want and keeps your hands free
2. The **Reflector** provides optimum illumination by directing the bright light to the side
3. When folded out, the **Feet** provide excellent stability.
   The feet can be folded neatly back in.

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Packaging: Blister

Languages on blister

- English
- German
- French
- Spanish
- Portuguese
- Italian
- Russian
- Hindi
- Arabic
- Swahili

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Blister Content